WHAT IS CLAIMED IS:

- 1. A film comprising:
 - a) a core layer comprising at least about 65 percent by weight of a homogeneous alpha-olefin/cyclic olefin random copolymer;
 - b) a first outer layer comprising an olefinic polymer; and
 - c) a second outer layer comprising an olefinic polymer;

- i) a Young's modulus of between about 50,000 pounds and about 200,000 pounds per square inch in at least one of the longitudinal and transverse directions;
- ii) a free shrink of between about 10% and about 80% at 240°F in at least one of the longitudinal and transverse directions; and
- iii) a shrink tension of less than about 400 pounds per square inch at 240°F in at least one of the longitudinal and transverse directions.
- 2. The film of claim 1 wherein the film has a haze of less than about 6.
- 3. The film of claim 1 wherein the homogeneous alphaolefin/cyclic olefin random copolymer has a melt index of less than about $2\ g/10$ minutes.
- 4. The film of claim 1 wherein the core layer comprising a homogeneous alpha-olefin/cyclic olefin random copolymer comprises between about 30% and about 80% of the total film thickness.

- 5. The film of claim 1 wherein the homogeneous alphaolefin/cyclic olefin random copolymer comprises a member selected from the group consisting of ethylene/norbornene copolymers and ethylene/cyclopentene copolymers.
- 6. The film of claim 5 wherein the homogeneous alphaolefin/cyclic olefin random copolymer has a glass transition temperature of from about 25°C to about 45°C.
- 7. The film of claim 5 wherein the homogeneous alphaolefin/cyclic olefin random copolymer comprises an ethylene/norbornene copolymer, the ethylene/norbornene copolymer comprising from about 15 mole percent to about 30 mole percent norbornene.
- The film of claim 1 wherein each of the first outer layer and the second outer layer comprises a material selected from the group consisting of ethylene/alpha olefin copolymers, ethylene/vinyl acetate copolymers, ethylene/alkyl copolymers, ethylene/acrylic acid copolymers, ionomers, propylene homopolymers, propylene copolymers, propylene/ethylene copolymer, butylene butylene homopolymers, copolymers, low polyethylenes, high density polyethylenes, multicomponent ethylene/alpha-olefin interpenetrating network resins, and blends thereof.

9. A film comprising:

- a) a core layer comprising at least about 65 percent by weight of a homogeneous alpha-olefin/cyclic olefin random copolymer;
- b) a first intermediate layer comprising an ethylene copolymer having a melt index less than about 2 g/10 minutes;

- c) a second intermediate layer comprising an ethylene copolymer having a melt index less than about 2 g/10 minutes;
- d) a first outer layer comprising an olefinic polymer; and
- e) a second outer layer comprising an olefinic polymer;

- i) a Young's modulus of between about 50,000 pounds and about 200,000 pounds per square inch in at least one of the longitudinal and transverse directions;
- ii) a free shrink of between about 10% and about 80% at 240°F in at least one of the longitudinal and transverse directions; and
- iii) a shrink tension of less than about 400 pounds per square inch at 240°F in at least one of the longitudinal and transverse directions.
- 10. The film of claim 9 wherein the film has a haze of less than about 6.
- 11. The film of claim 9 wherein the homogeneous alphaolefin/cyclic olefin random copolymer has a melt index of less than about 2 g/10 minutes.
- 12. The film of claim 9 wherein the core layer comprising a homogeneous alpha-olefin/cyclic olefin random copolymer comprises between about 30% and about 80% of the total film thickness.
 - 13. The film of claim 9 wherein the homogeneous alpha-

olefin/cyclic olefin random copolymer comprises a member selected from the group consisting of ethylene/norbornene copolymers and ethylene/cyclopentene copolymers.

- 14. The film of claim 13 wherein the homogeneous alphaolefin/cyclic olefin random copolymer has a glass transition temperature of from about 25°C to about 45°C.
- 15. The film of claim 13 wherein the homogeneous alphaolefin/cyclic olefin random copolymer comprises an ethylene/norbornene copolymer, the ethylene/norbornene copolymer comprising from about 15 mole percent to about 30 mole percent norbornene.
- 16. The film of claim 9 wherein each of the intermediate layer and the second intermediate layer comprises a material selected from the group consisting of ethylene/alphaolefin copolymers having a density of less than 0.916 grams/cubic centimeter, ethylene/vinyl acetate copolymers, ethylene/propylene/diene terpolymers, low density very polyethylenes, blends of very low density polyethylene and ethylene/vinyl acetate copolymer, and multicomponent ethylene/alpha-olefin interpenetrating net-work resins.
- 17. The film of claim 9 wherein each of the first outer layer and the second outer layer comprises a material selected from the group consisting of ethylene/alpha olefin copolymers, ethylene/vinyl acetate copolymers, ethylene/alkyl copolymers, ethylene/acrylic acid copolymers, ionomers, propylene homopolymers, propylene copolymers, propylene/ethylene copolymer, butylene homopolymers, butylene copolymers, low density density multicomponent polyethylenes, high polyethylenes, ethylene/alpha-olefin interpenetrating network resins, and blends

thereof.

18. A film comprising:

- a) a core layer comprising an ethylene copolymer having a melt index less than about 2;
- b) a first intermediate layer comprising at least about 65 percent by weight of a homogeneous alphaolefin/cyclic olefin random copolymer;
- c) a second intermediate layer comprising at least about 65 percent by weight of a homogeneous alphaolefin/cyclic olefin random copolymer;
- d) a first outer layer comprising an olefinic polymer; and
- e) a second outer layer comprising an olefinic polymer;

- i) a Young's modulus of between about 50,000 pounds and about 200,000 pounds per square inch in at least one of the longitudinal and transverse directions;
- ii) a free shrink of between about 10% and about 80% at 240°F in at least one of the longitudinal direction and transverse direction; and
- iii) a shrink tension of less than about 400 pounds per square inch at 240°F in at least one of the longitudinal and transverse directions.
- 19. The film of claim 18 wherein the film has a haze of less than about 6.
 - 20. The film of claim 18 wherein the homogeneous alpha-

olefin/cyclic olefin random copolymer has a melt index of less than about 2 g/10 minutes.

- The film of claim 18 wherein the core layer comprises a material selected from the group consisting of ethylene/alphaolefin copolymers having a density of less than 0.916 grams/cubic centimeter, ethylene/vinyl acetate copolymers, ethylene/propylene/diene terpolymers, very low density polyethylenes, blends of very low density poly-ethylene and ethylene/vinyl acetate co-polymer, multi-component and ethylene/alpha-olefin interpenetrating network resins.
- 22. The film of claim 21 wherein the first and second intermediate layers together comprise between about 30% and about 80% of the total film thickness.
- 23. The film of claim 18 wherein the homogeneous alphaolefin/cyclic olefin random copolymer comprises a member selected from the group consisting of ethylene/norbornene copolymers and ethylene/cyclopentene copolymers.
- 24. The film of claim 23 wherein the homogeneous alphaolefin/cyclic olefin random copolymer has a glass transition temperature of from about 25°C to about 45°C.
- 25. The film of claim 23 wherein the homogeneous alphaolefin/cyclic olefin random copolymer comprises an ethylene/norbornene copolymer, the ethylene/norbornene copolymer comprising from about 15 mole percent to about 30 mole percent norbornene.

26. A film comprising:

a) a core layer comprising a homogeneous alpha-

- olefin/cyclic olefin random copolymer having a glass transition temperature of from about 25°C to about 45°C.;
- b) a first outer layer comprising an olefinic polymer; and
- c) a second outer layer comprising an olefinic polymer;

- ii) a Young's modulus of between about 50,000 pounds and about 200,000 pounds per square inch in at least one of the longitudinal and transverse directions;
- ii) a free shrink of between about 10% and about 80% at 240°F in at least one of the longitudinal and transverse directions; and
- iii) a shrink tension of less than about 400 pounds per square inch at 240°F in at least one of the longitudinal and transverse directions.
- 27. The film of claim 26 wherein the film has a haze of less than about 6.
- 28. The film of claim 26 wherein the homogeneous alphaolefin/cyclic olefin random copolymer has a melt index of less than about 2 g/10 minutes.
- 29. The film of claim 26 wherein the core layer comprising a homogeneous alpha-olefin/cyclic olefin random copolymer comprises between about 30% and about 80% of the total film thickness.
 - 30. The film of claim 26 wherein the homogeneous alpha-

olefin/cyclic olefin random copolymer comprises a member selected from the group consisting of ethylene/norbornene copolymers and ethylene/cyclopentene copolymers.

- 31. The film of claim 30 wherein the homogeneous alphaolefin/cyclic olefin random copolymer comprises an ethylene/norbornene copolymer, the ethylene/norbornene copolymer comprising from about 15 mole percent to about 30 mole percent norbornene.
- 32. The film of claim 26 wherein each of the first outer layer and the second outer layer comprises a material selected from the group consisting of ethylene/alpha olefin copolymers, ethylene/vinyl acetate copolymers, ethylene/alkyl copolymers, ethylene/acrylic acid copolymers, ionomers, propylene homopolymers, propylene copolymers, butylene homopolymers, butylene copolymers, low density polyethylenes, high density polyethylenes, multicomponent ethylene/alpha-olefin interpenetrating network resins, blends of a propylene homopolymer and a propylene/ethylene copolymer, blends of high density polyethylene and ethylene/vinyl acetate copolymer, and blends of high density polyethylene and low density polyethylene.

33. A film comprising:

- a) a core layer comprising a homogeneous alphaolefin/cyclic olefin random copolymer having a glass transition temperature of from about 25°C to about 45°C;
- b) a first intermediate layer comprising an ethylene copolymer having a melt index less than about 2;
- c) a second intermediate layer comprising an ethylene copolymer having a melt index less than about 2;

- d) a first outer layer comprising an olefinic polymer; and
- e) a second outer layer comprising an olefinic polymer;

- i) a Young's modulus of between about 50,000 pounds and about 200,000 pounds per square inch in at least one of the longitudinal and transverse directions;
- ii) a free shrink of between about 10% and about 80% at 240°F in at least one of the longitudinal and transverse directions; and
- iii) a shrink tension of less than about 400 pounds per square inch at 240°F in at least one of the longitudinal and transverse directions.
- 34. The film of claim 33 wherein the film has a haze of less than about 6.
- 35. The film of claim 33 wherein the homogeneous alphaolefin/cyclic olefin random copolymer has a melt index of less than about 2 g/10 minutes.
- 36. The film of claim 33 wherein the core layer comprising a homogeneous alpha-olefin/cyclic olefin random copolymer comprises between about 30% and about 80% of the total film thickness.
- 37. The film of claim 33 wherein the homogeneous alphaolefin/cyclic olefin random copolymer comprises a member selected from the group consisting of ethylene/norbornene copolymers and

ethylene/cyclopentene copolymers.

- 38. The film of claim 37 wherein the homogeneous alphaolefin/cyclic olefin random copolymer comprises an ethylene/norbornene copolymer, the ethylene/norbornene copolymer comprising from about 15 mole percent to about 30 mole percent norbornene.
- The film of claim 33 wherein each of the first intermediate layer and the second intermediate layer comprises a material selected from the group consisting of ethylene/alphaolefin copolymers having a density of less than 0.916 grams/cubic centimeter, ethylene/vinyl acetate copolymers, ethylene/propylene/diene terpolymers, low density very polyethylenes, blends of very low density polyethylene and ethylene/vinyl acetate co-polymer, and multicomponent ethylene/alpha-olefin interpenetrating net-work resins.
- The film of claim 33 wherein each of the first outer 40. layer and the second outer layer comprises a material selected from the group consisting of ethylene/alpha olefin copolymers, ethylene/vinyl acetate copolymers, ethylene/ alkyl copolymers, ethylene/acrylic acid copolymers, ionomers, propylene butylene homopolymers, propylene copolymers, homopolymers, butylene copolymers, low density polyethylenes, high density ethylene/alpha-olefin polyethylenes, multicomponent interpenetrating network resins, blends of а propylene homopolymer and a propylene/ethylene copolymer, blends of high density polyethylene and ethylene/vinyl acetate copolymer, and blends of high density polyethylene and low density polyethylene.

41. A film comprising:

a) a core layer comprising an ethylene copolymer

having a melt index less than about 2;

- b) a first intermediate layer comprising a homogeneous alpha-olefin/cyclic olefin random copolymer having a glass transition temperature of from about 25°C to about 45°C;
- c) a second intermediate layer comprising a homogeneous alpha-olefin/cyclic olefin random copolymer having a glass transition temperature of from about 25°C to about 45°C;
- d) a first outer layer comprising an olefinic polymer; and
- e) a second outer layer comprising an olefinic polymer;

- i) a Young's modulus of between about 50,000 pounds and about 200,000 pounds per square inch in at least one of the longitudinal and transverse directions;
- ii) a free shrink of between about 10% and about 80% at 240°F in at least one of the longitudinal direction and transverse direction; and
- iii) a shrink tension of less than about 400 pounds per square inch at 240°F in at least one of the longitudinal and transverse directions.
- 42. The film of claim 41 wherein the film has a haze of less than about 6.
- 43. The film of claim 41 wherein the homogeneous alphaolefin/cyclic olefin random copolymer has a melt index of less than about 2 g/10 minutes.

- The film of claim 41 wherein the core layer comprises a material selected from the group consisting of ethylene/alphaolefin copolymers having a density of less than 0.916 grams/cubic centimeter, ethylene/vinyl acetate copolymers, ethylene/propylene/diene terpolymers, low density very polyethylenes, blends of very low density poly-ethylene and ethylene/vinyl acetate co-polymer, and multi-component ethylene/alpha-olefin interpenetrating network resins.
- 45. The film of claim 44 wherein the first and second intermediate layers together comprise between about 30% and about 80% of the total film thickness.
- 46. The film of claim 41 wherein the homogeneous alphaolefin/cyclic olefin random copolymer comprises a member selected from the group consisting of ethylene/norbornene copolymers and ethylene/cyclopentene copolymers.
- 47. The film of claim 46 wherein the homogeneous alphaolefin/cyclic olefin random copolymer comprises an ethylene/norbornene copolymer, the ethylene/norbornene copolymer comprising from about 15 mole percent to about 30 mole percent norbornene.